

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani, Koushik Ghosh, and Christine Van Vleck

DATE: February 27, 2004

RE: Health Care Utilization by CRT Clients, Medical Home Project Participants,
and All Medicaid Enrollees

This is the second in our series on utilization of health care services by Vermont CRT Medical Home Project participants and others. The Vermont Medical Home Project (Department of PATH) is one of 20 sites, nationally, that is working to implement Best Clinical and Administrative Practices (BCAP) regarding access to medical care for individuals with mental illnesses. Vermont's BCAP Medical Home Project is supporting services to clients of Community Rehabilitation and Treatment (CRT) programs for adults with serious mental illness. In the first report in this series (www.ddmhs.state.vt.us/docs/pips/2004/pip022704.pdf) the Vermont Mental Health Performance Indicator Project compared utilization of inpatient and outpatient medical services for CRT clients to the utilization rates for all Medicaid enrollees. The analysis reported this week, adds Medicaid health care utilization rates for BCAP clients for CY2002, the year prior to the BCAP project to the previous analysis. As such, this analysis addresses the comparability of the BCAP service recipients and all CRT clients during the year prior to the medical home intervention. This comparison will provide the basis for a case mix adjustment to future analyses that examine the impact of the BCAP project on access to health care services.

Methodologically, this analysis involved linking two Medicaid eligibility files (one for CRT clients and one for all Medicaid enrollees), three medical service files (one each for outpatient primary care, emergency room, and inpatient medical care), and one Medical Home client file. The linkage process is described in more detail in the November 28 report.

As you will see, there was no difference between total CRT and BCAP clients in utilization of primary care during the year before the BCAP project, but BCAP clients were more likely than the CRT population as a whole to use emergency room services and inpatient medical services.

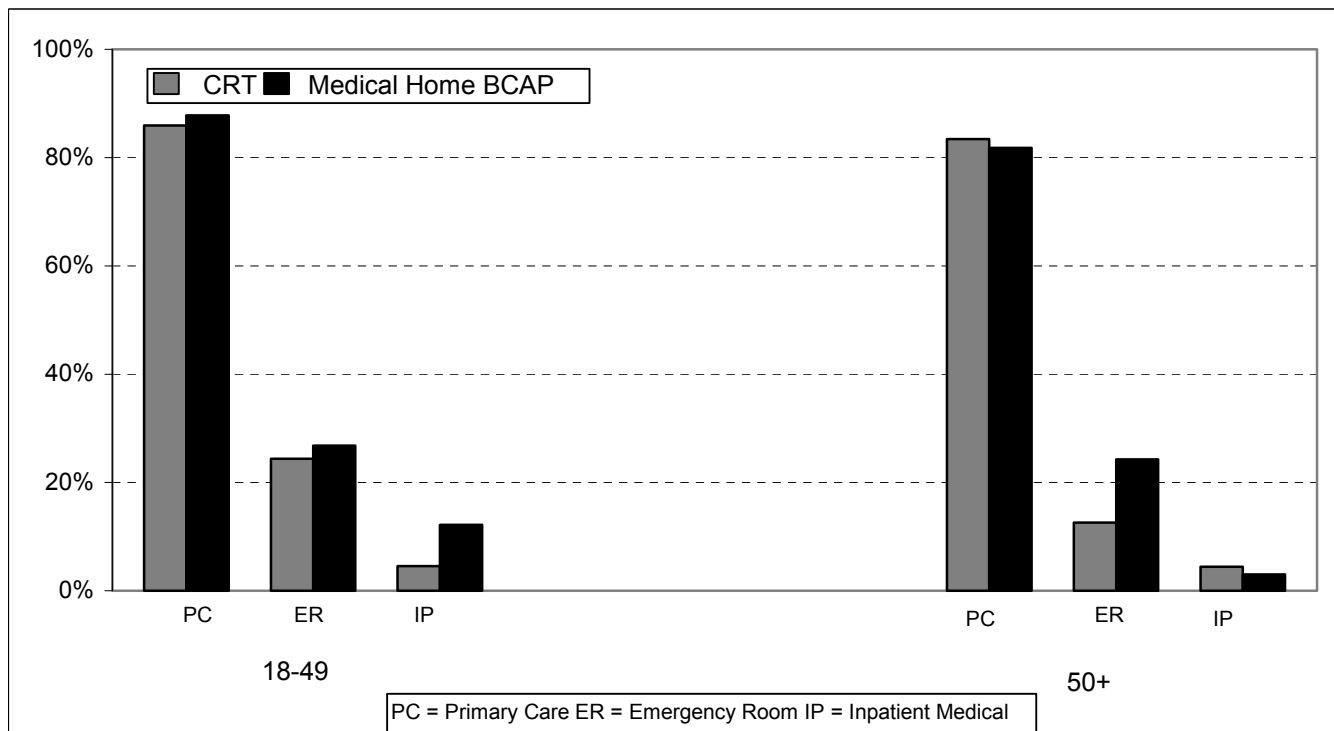
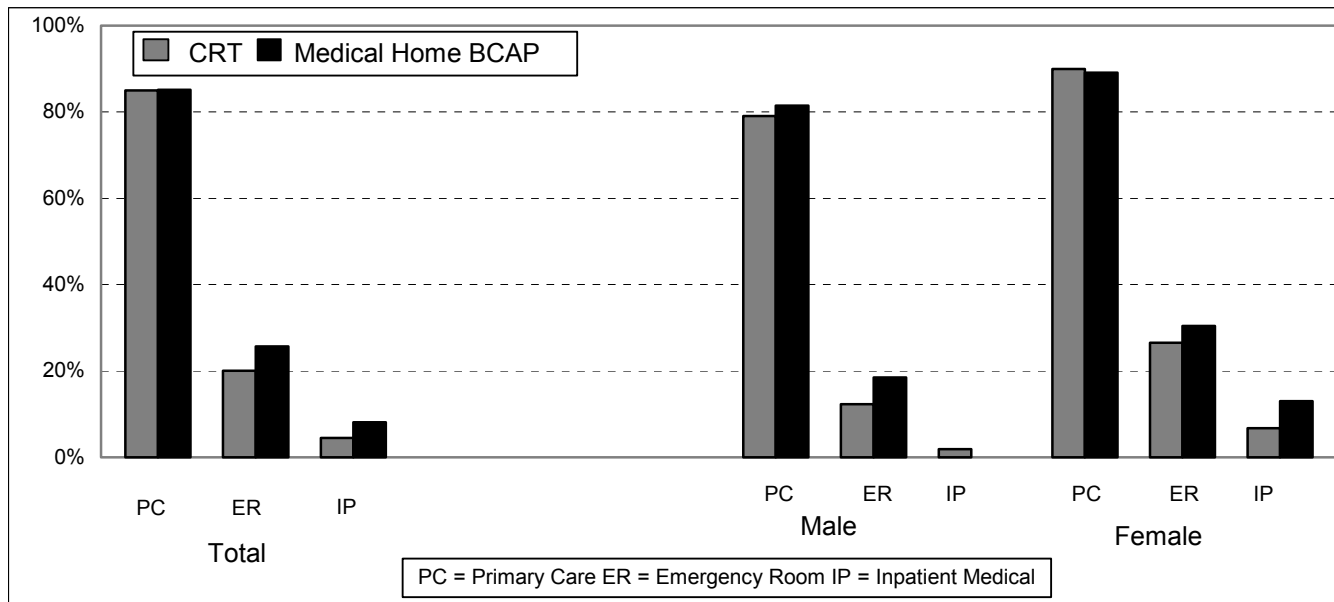
The BCAP caseload included proportionally more women than the CRT population as a whole (62% vs. 54%), and female BCAP clients were more likely than male BCAP clients to use each level of medical care during the year before they entered BCAP. Female BCAP clients used primary care at a similar rate to female CRT clients overall, but were more likely to use emergency room and inpatient medical services than female CRT clients as a whole. Male BCAP clients used primary care at a similar rate to male CRT clients overall, were more likely to

use emergency room services, but were less likely to receive inpatient medical care than male CRT clients as a whole.

The BCAP caseload included proportionally more adults who were 50 years of age or older than the CRT population as a whole (44% vs. 37%), and older BCAP clients were less likely than other BCAP clients to use each level of medical care during the year before they entered BCAP. Older BCAP clients used primary care and inpatient medical services at a similar rate to older CRT clients overall, but were more likely to use emergency room services than older CRT clients as a whole. Younger BCAP clients used primary care and emergency room services at a similar rate to younger CRT clients overall, but were more likely to use inpatient medical care than younger CRT clients as a whole.

With the upcoming integration of the DDMHS mental health services division into the Department of Health, we expect the PIP will be asked to increase its examination of the relationship between mental health and physical health caseloads. We will appreciate your suggestions regarding databases and analyses that are relevant to issues of mental health and physical health. We also look forward to your questions regarding this analysis and your interpretation of these findings. As always, you can reach us at pip@ddmhs.state.vt.us or 802-241-2638.

Primary Care, Emergency Room and Inpatient Medical Utilization Rates For CRT Clients and Medical Home Participants Vermont Adults - CY 2002

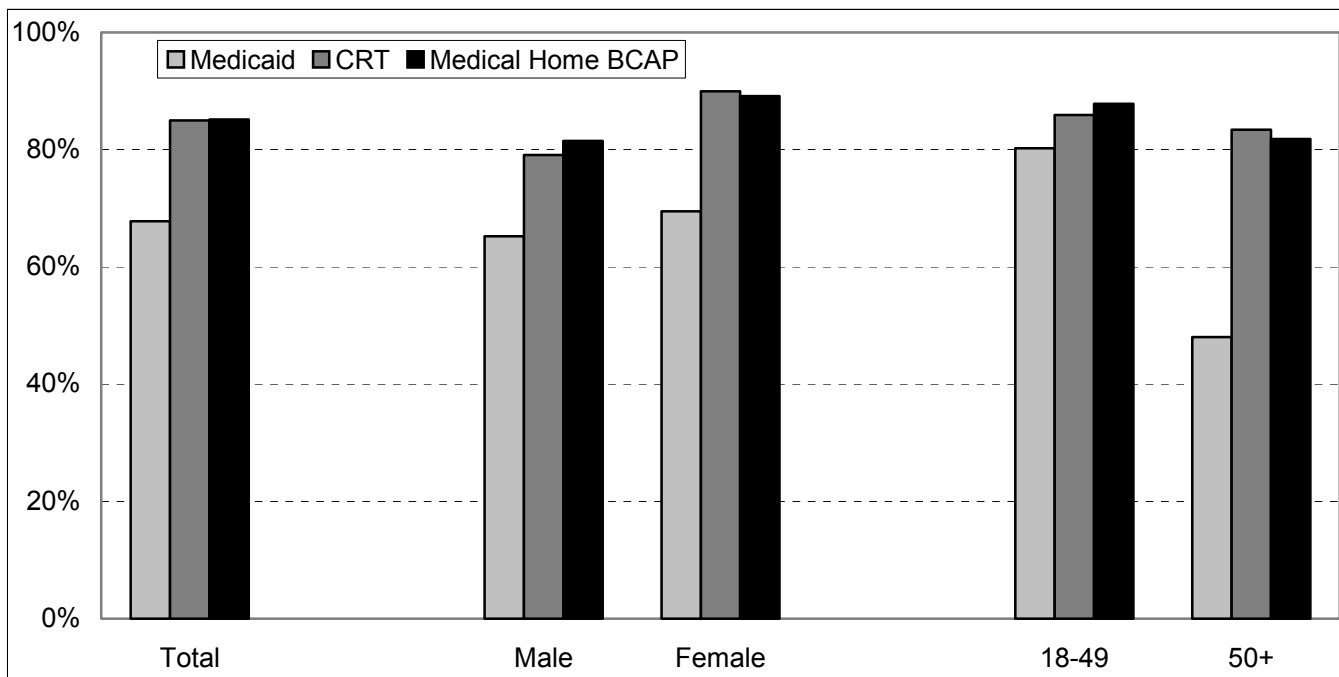


CRT programs provide community based mental health services for adults with severe and persistent mental illness. For this analysis CRT clients include individuals with a paid CRT claim during calendar year 2002.

Primary care services include general practice, family practice, internal medicine, osteopathic manipulative therapy, nurse practitioner, and pediatric medicine. Primary care service recipients include individuals with a paid primary care claim during calendar year 2002. Inpatient Medical include individuals receiving Medicaid services in calendar year 2002 with a diagnoses code (not between 293 and 30299 or not between 306 and 33399). Emergency Room include individuals with a paid emergency claim during calendar year 2002.

Medical Home participants include CRT clients at The Howard Center for Human Services, Washington County Mental Health Services, and United Counseling Services who were seen by the Medical Home nurse from January through to October 2003.

Primary Care Utilization Rates **For All Medicaid Enrollees, CRT Clients, and Medical Home Participants** **Vermont Adults - CY 2002**



	All Medicaid Enrollees		CRT Clients			
			Total		Medical Home Participants	
	Total Number	% with Primary Care	Total Number	% with Primary Care	Total Number	% with Primary Care
Total	101,289	68%	2,447	85%	74	85%
Male	40,509	65%	1,120	79%	27	81%
Female	60,780	69%	1,327	90%	46	89%
Age						
18-49	62,122	80%	1,542	86%	41	88%
50+	39,167	48%	905	83%	33	82%

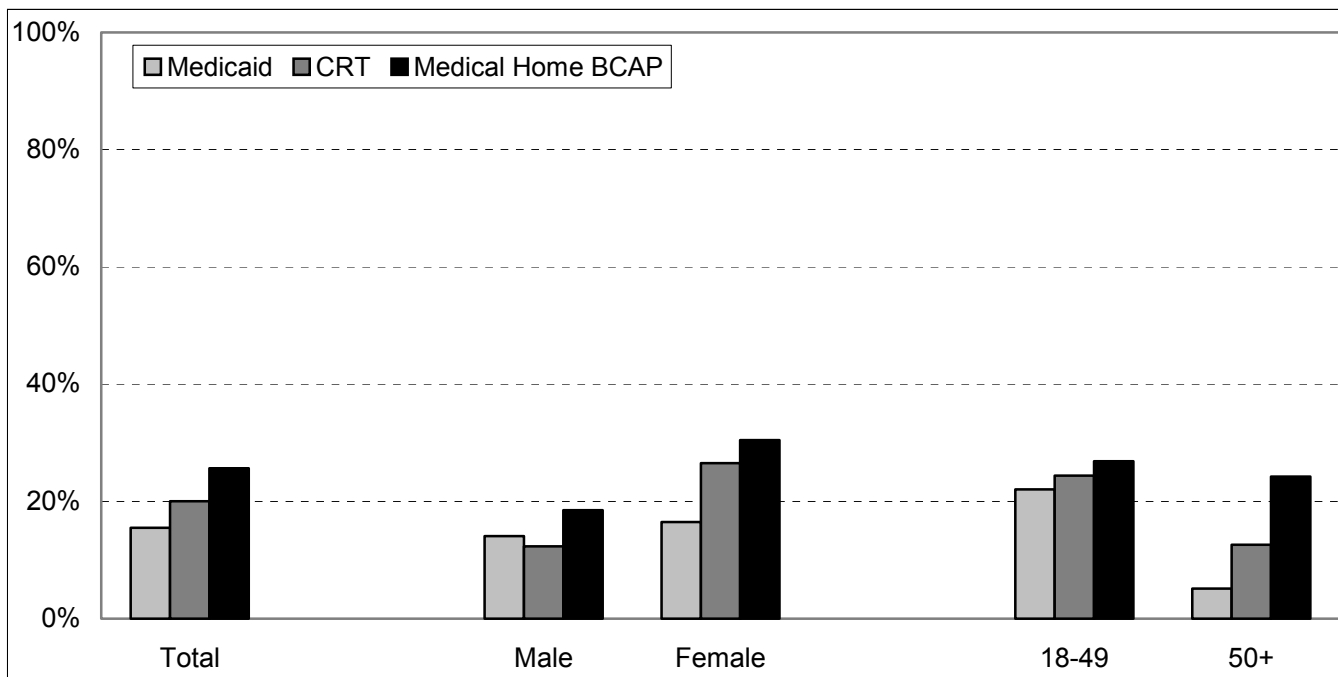
Medicaid enrollees include all Vermont resident aged 18 and older during calendar year (CY) 2002 who were enrolled in Medicaid.

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Emergency Room Utilization Rate For All Medicaid Enrollees, CRT Clients, and Medical Home Participants Vermont Adults - CY 2002



	All Medicaid Enrollees		CRT Clients			
			Total		Medical Home Participants	
	Total Number	% with Emergency Room	Total Number	% with Emergency Room	Total Number	% with Emergency Room
Total	101,289	16%	2,447	20%	74	26%
Male	40,509	14%	1,120	12%	27	19%
Female	60,780	16%	1,327	27%	46	30%
Age						
18-49	62,122	22%	1,542	24%	41	27%
50+	39,167	5%	905	13%	33	24%

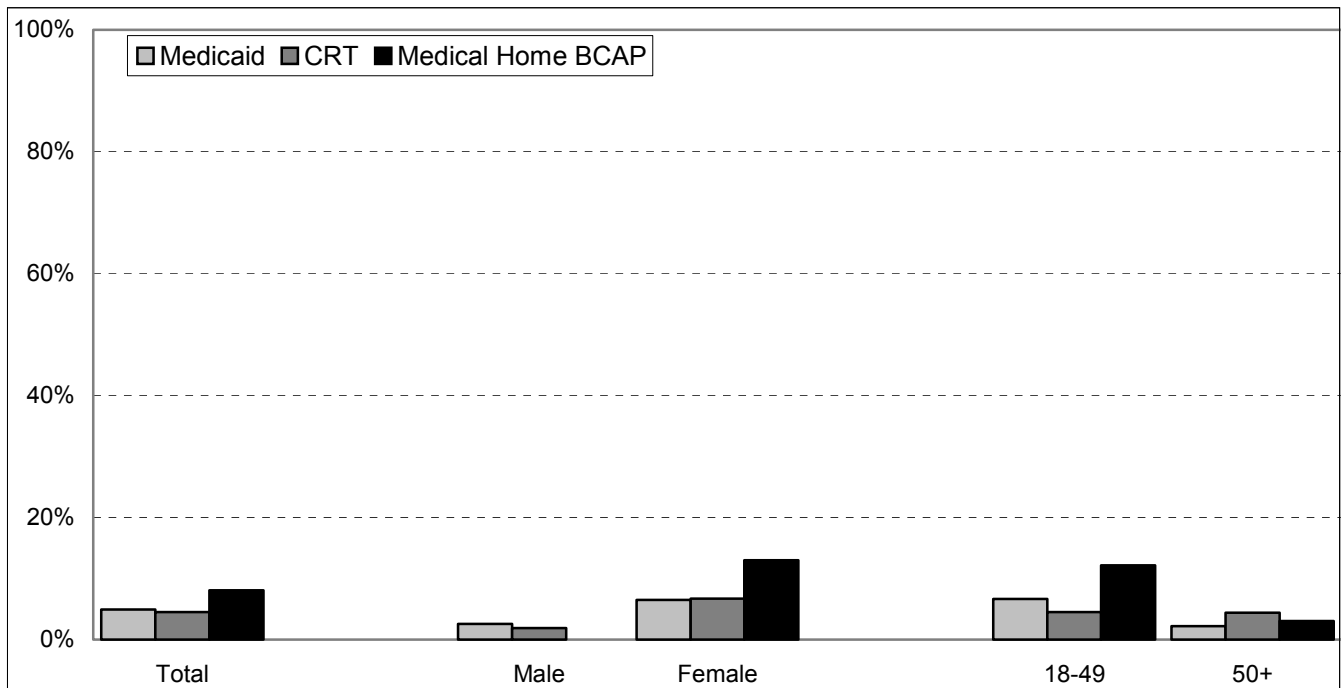
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Emergency Room include individuals with a paid emergency claim during calendar year 2002.

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Inpatient Medical Service Utilization Rates For All Medicaid Enrollees, CRT Clients, and Medical Home Participants Vermont Adults - CY 2002



	All Medicaid Enrollees		CRT Clients			
			Total		Medical Home Participants	
	Total Number	% with Inpatient Medical	Total Number	% with Inpatient Medical	Total Number	% with Inpatient Medical
Total	101,289	5%	2,447	4%	74	8%
Male	40,509	3%	1,120	2%	27	0%
Female	60,780	7%	1,327	7%	46	13%
Age						
18-49	62,122	7%	1,542	5%	41	12%
50+	39,167	2%	905	4%	33	3%

Medicaid enrollees include all Vermont resident aged 18 and older during calendar year (CY) 2002 who were enrolled in Medicaid.

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Inpatient Medical include individuals receiving Medicaid services in calendar year 2002 with a diagnoses code (not between 293 and 30299 or not between 306 and 33399) .

Medical Home participants include CRT clients at The Howard Center for Human Services, Washington County Mental Health Services, and United Counseling Services who were seen by the Medical Home nurse from January through to October 2003.